

WHAT IS CLAIMED IS:

1. A rapid self-error-check circuit of a computer power supply, wherein a computer power supply is installed with a self-detecting device; an LED displaying light and detecting button are exposed out from the casing of the power supply; thereby, the normality of the power supply is detected by pressing a detecting button and then the result is displayed through the colors of the LED displaying light.
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2. The rapid self-error-check circuit of a computer power supply as claimed in claim 1, wherein the power supply with an LED displaying light and a button is installed in a transversal or upright computer mainframe; the LED displaying light and button exposes out; thereby, the user presses the button by a finger and the LED displaying light displays the results.
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3. The rapid self-error-check circuit of a computer power supply as claimed in claim 1, wherein the circuit in the power supply includes a power supply operation detecting circuit and a power supply standby power source detecting circuit.
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4. The rapid self-error-check circuit of a computer power supply as claimed in claim 3, wherein the power supply operation detecting circuit includes an AC power input end, a detecting switch, a rectifier, a power system, an auxiliary power source or standby power source and a detector; the detector detects the power condition of a power system, and detects output voltage; the detected result is displayed by the LED displaying
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light.

5. The rapid self-error-check circuit of a computer power supply as claimed in claim 4, wherein the LED displaying light includes a light for standby power source and a light for power output; the light for standby power supply is green and the light for power supply is yellow; the color of the light is changed according to the output voltage of the standby power source or power supply or specific signals.
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6. The rapid self-error-check circuit of a computer power supply as claimed in claim 5, wherein as the LED displaying light in standby condition;
a green light of the LED displaying light lights up;
if the indicator extinguishes, it represents that the power supply is abnormal, which includes the following condition:
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 (a)power supply circuit of the standby power source has faults;
 (b)overload;
 if a yellow indicator lights up, then the user can not detect by himself, namely;
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 (a)if pressing a detecting button to conduct a detecting switch, yellow light lights up and the green light extinguishes; it represents that power source is normal;
 (b)If pressing a detecting button, the green lights still lights up; it represent that the power source is abnormal.
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7. The rapid self-error-check circuit of a computer power supply

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as claimed in claim 3, wherein the power supply standby power source detecting circuit includes an AC power input end, a detecting switch, a rectifier, a power system, an auxiliary power source or standby power source and a detector; the detector detects the power condition of a power system, and detects output voltage; the detected result is displayed by the LED displaying light.

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8. The rapid self-error-check circuit of a computer power supply as claimed in claim 7, wherein the following conditions are included;

10 if a green light lights up, it represents that the auxiliary power source or standby power source is normal; and

if the indicator is extinguished, it represents no auxiliary power source or standby power source, including conditions

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(a) no AC input;

(b) no fault in power wire; and

(c) when output load being larger than 130% – 160%, the detector informing to interrupt power supply; and improper load being removed, and the power being restored.

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